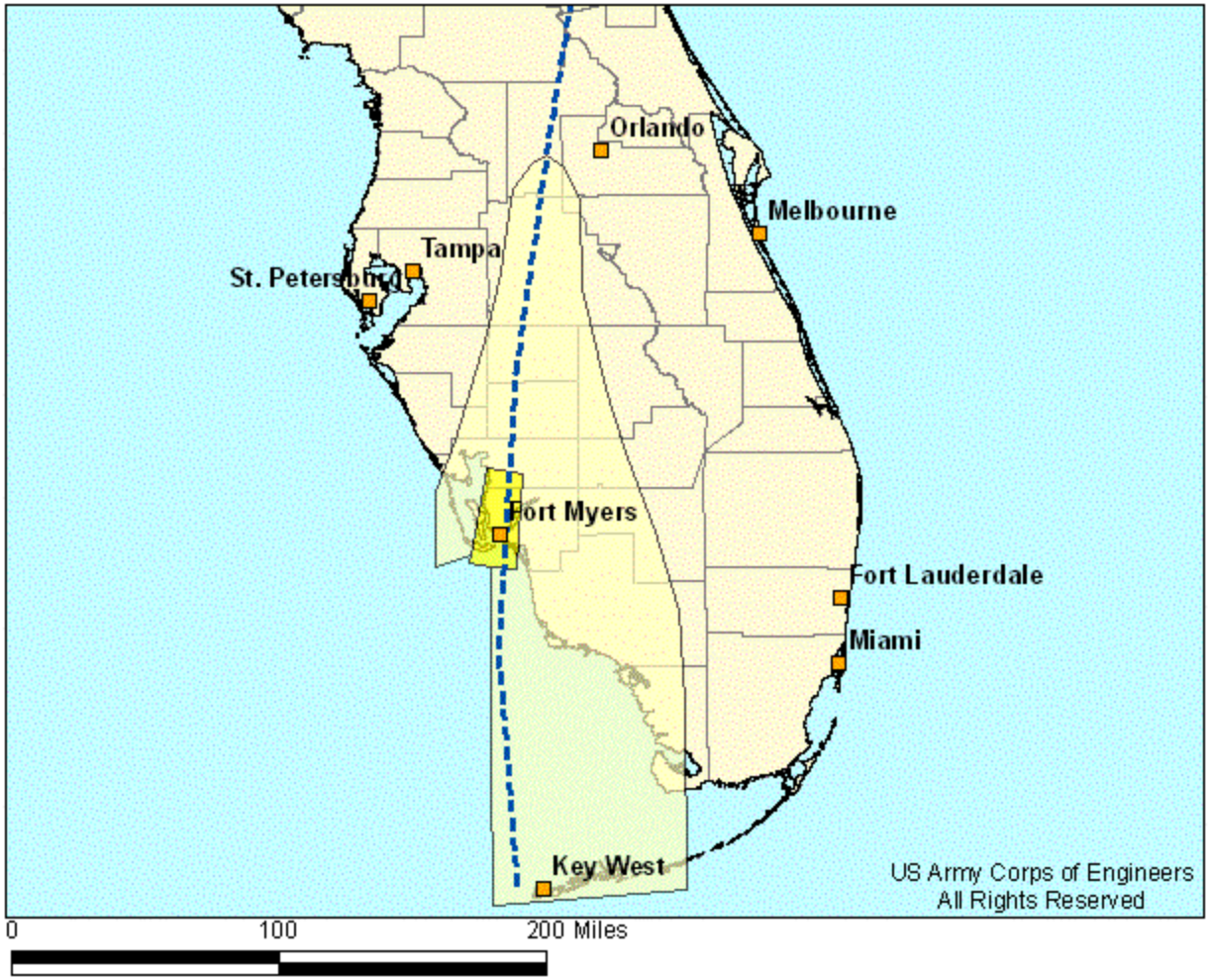
US Army Corps of Engineers

# Hurricane Fay Projected Damage Areas

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**




### *Post Landfall Projected Damage Areas*

This model is based on a Category 1 storm making landfall near Fort Myers, FL.

Forecast Track

**Projected Damage Areas**

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 1 storm making landfall near Fort Myers, FL. These projections are based on information from the NHC (1700 EDT 08/18/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

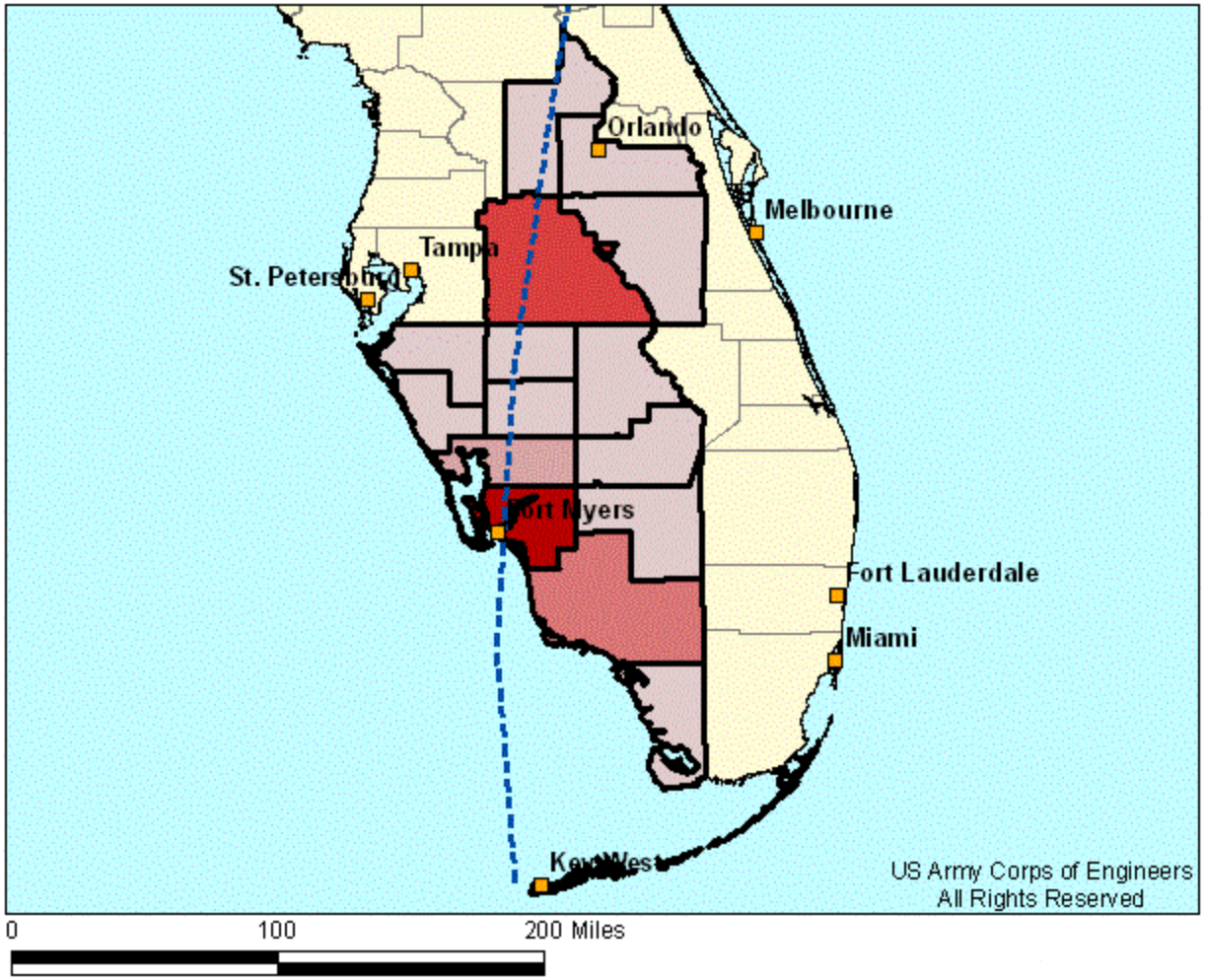
| Hurricane Fay Projected Damage Areas | |
|---|---|
| **Generated By:** Siemsen, LRL 1730 EDT 08/18/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 1 of 13 |

US Army Corps of Engineers

# Hurricane Fay Debris Model

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**




### *Post Landfall Debris Model Results*

Florida - 2,945,000 Yards

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Fort Myers, FL.

Forecast Track

**Debris**

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall near Fort Myers, FL. These projections are based on information from the NHC (1700 EDT 08/18/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Fay Debris Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1730 EDT 08/18/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 2 of 13 |

US Army Corps of Engineers

# Hurricane Fay Debris Model

## Landfall Expected In About 15 Hours

**For Planning Purposes Only!**

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| Florida | | Charlotte | 215,000 |
| | | Collier | 478,000 |
| | | DeSoto | 40,000 |
| | | Glades | 8,000 |
| | | Hardee | 33,000 |
| | | Hendry | 28,000 |
| | | Highlands | 91,000 |
| | | Lake | 46,000 |
| | | Lee | 1,237,000 |
| | | Manatee | 2,000 |
| | | Monroe | 83,000 |
| | | Orange | 3,000 |
| | | Osceola | 10,000 |
| | | Polk | 654,000 |
| | | Sarasota | 17,000 |
| Florida | 2,945,000 | | |

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
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**Hurricane Fay Debris Model**

**Generated By:**
Siemsen, LRL 1730 EDT 08/18/2008

**Sources:**
HURREVAC
LRL-DEBRIS

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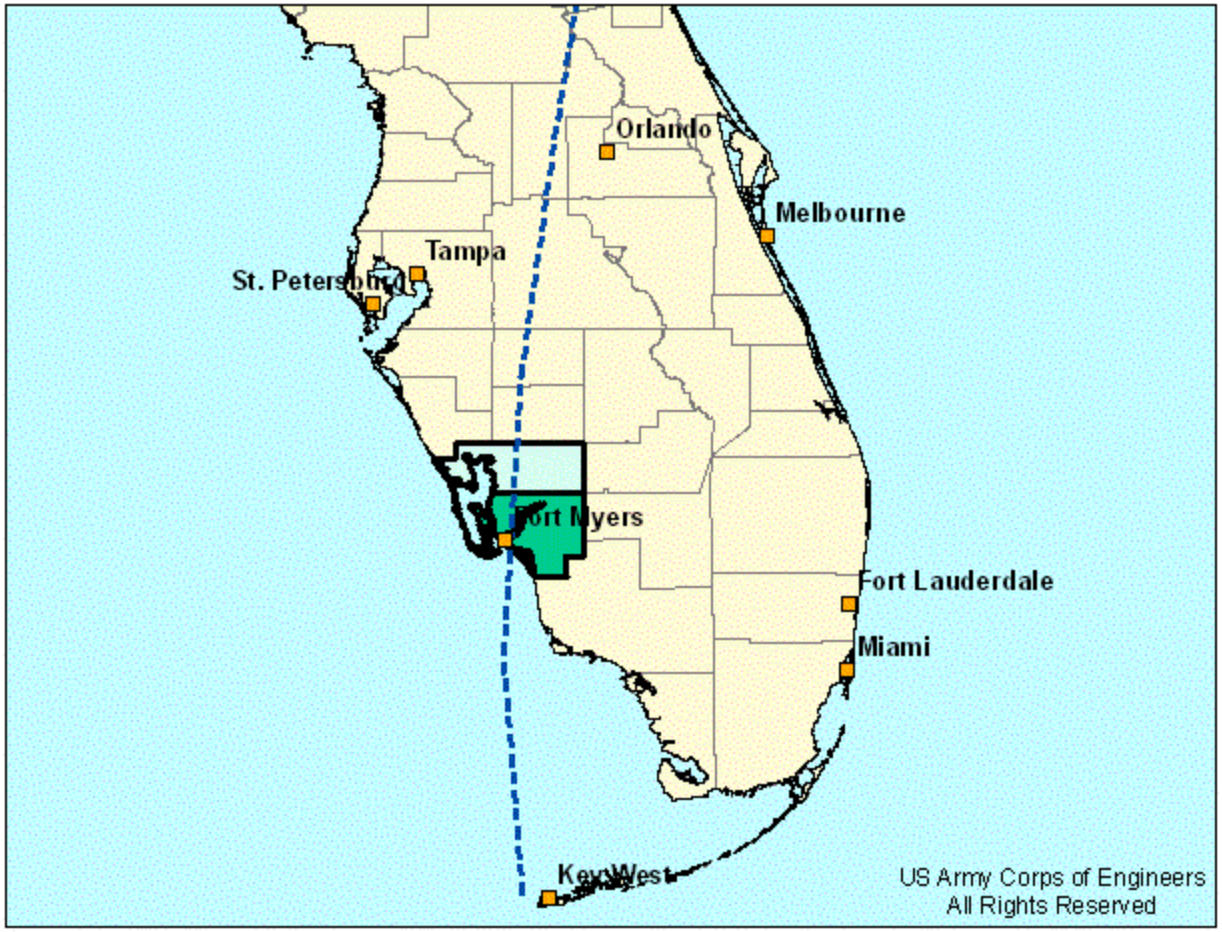
# Hurricane Fay Commodities Model

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**




0 100 200 Miles

### *Post Landfall Water Model Results*

**Day One / Day Two / Day Three**
Florida – 16/16/16 Truckloads

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Fort Myers, FL.

Forecast Track

**Commodities**

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall near Fort Myers, FL. These projections are based on information from the NHC ***(1700 EDT 08/18/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Fay Commodities Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1730 EDT 08/18/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 4 of 13 |

US Army Corps of Engineers

# Hurricane Fay Commodities Model

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**

| State | Truckloads per State | County | Truckloads per County |
|---|---|---|---|
| Florida | | Charlotte | 1 |
| | | Lee | 15 |
| Florida | 16 | | |

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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**Hurricane Fay Commodities Model**

**Generated By:**
Siemsen, LRL 1730 EDT 08/18/2008

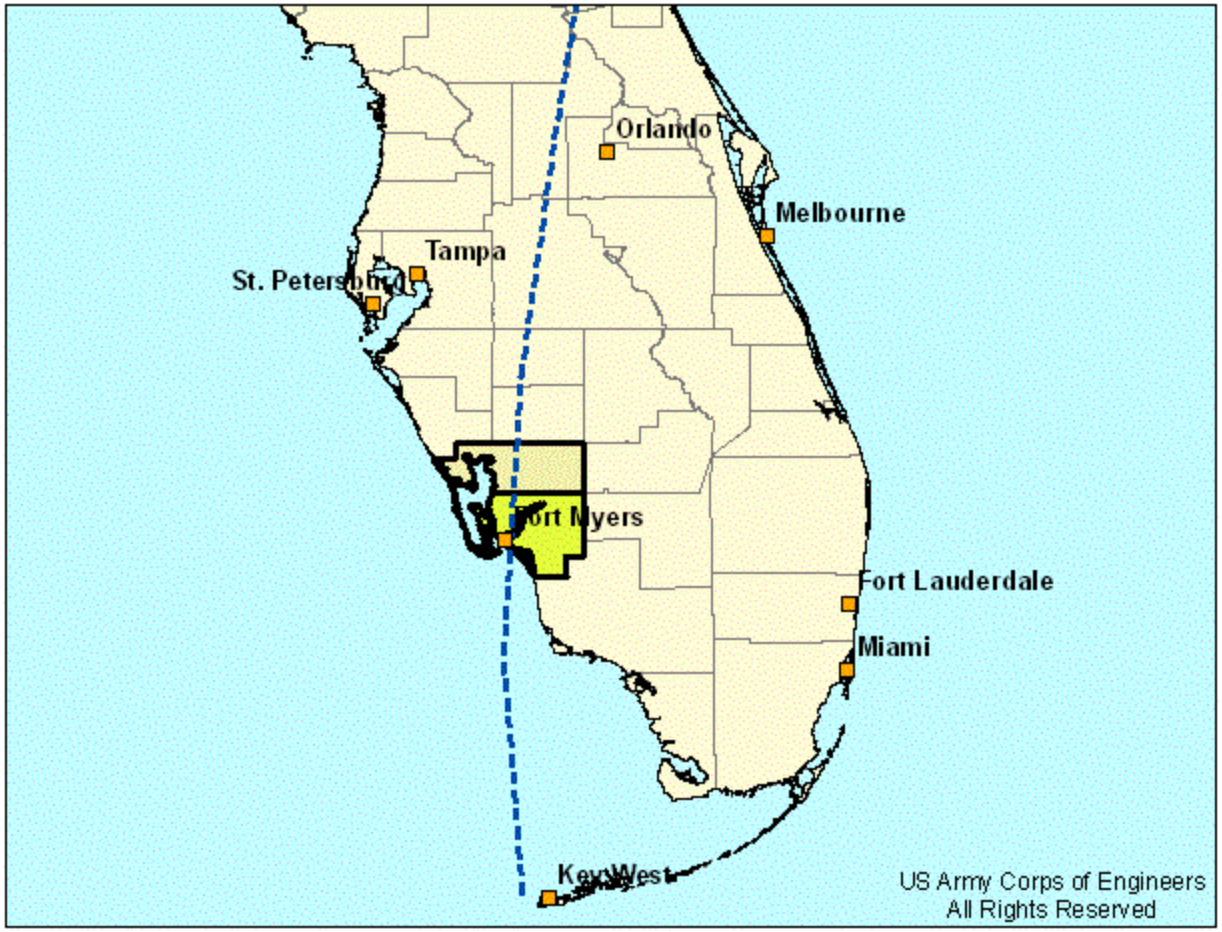
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Fay Temporary Roofing Model

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**




0 100 200 Miles

## *Post Landfall Temporary Roofing Model Results*

Florida - 3,800

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Fort Myers, FL.

Forecast Track

**Temporary Roofing**

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall near Fort Myers, FL. These projections are based on information from the NHC (1700 EDT 08/18/2008) forecast. Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englinkusace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Fay Roofing Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1730 EDT 08/18/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 6 of 13 |

US Army Corps of Engineers

# Hurricane Fay Temporary Roofing Model

## Landfall Expected In About 15 Hours

**For Planning Purposes Only!**

| State | House Units per State | County | House Units per County |
|---|---|---|---|
| Florida | | Charlotte | < 100 |
| | | Lee | 3,800 |
| Florida | 3,800 | | |

Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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**Hurricane Fay Roofing Model**

**Generated By:**
Siemsen, LRL 1730 EDT 08/18/2008

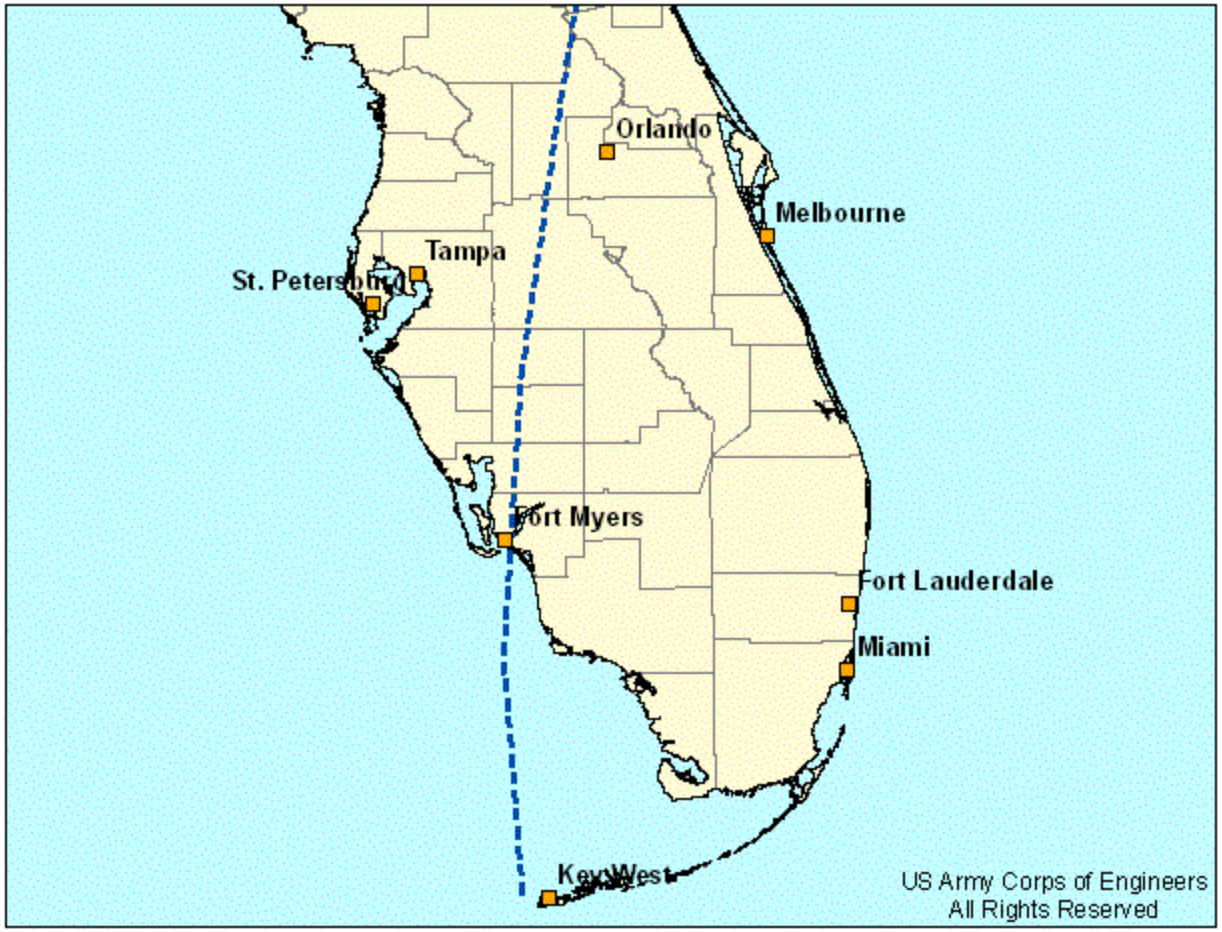
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Fay Temporary Housing Model

## Landfall Expected In About 15 Hours

**For Planning Purposes Only!**




0 100 200 Miles

### *Post Landfall Temporary Housing Model Results*

None Expected

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Fort Myers, FL.

Forecast Track

**Temporary Housing**

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall near Fort Myers, FL. These projections are based on information from the NHC (1700 EDT 08/18/2008) forecast. Temporary housing is based on nothing.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Fay Housing Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1730 EDT 08/18/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 8 of 13 |

US Army Corps of Engineers

# Hurricane Fay Temporary Housing Model

## Landfall Expected In About 15 Hours

**For Planning Purposes Only!**

| State | House Units per State | County | House Units per County |
|---|---|---|---|

Temporary housing is based on nothing.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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**Hurricane Fay Housing Model**

**Generated By:**
Siemsen, LRL 1730 EDT 08/18/2008

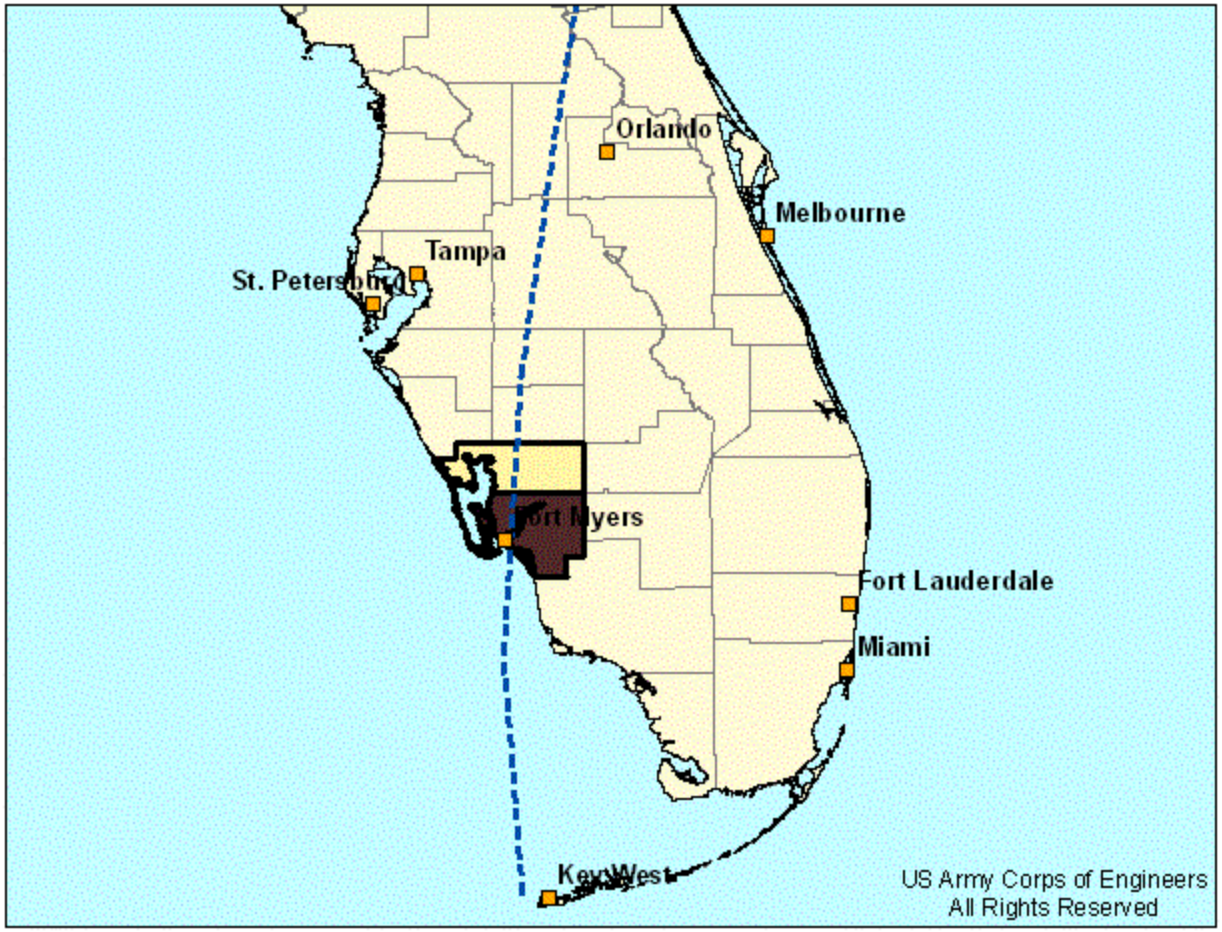
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Fay Population Model

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**




0 100 200 Miles

### *Post Landfall Population Model Results*

Florida - 291,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Fort Myers, FL.

Forecast Track

**Population**

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall near Fort Myers, FL. These projections are based on information from the NHC (1700 EDT 08/18/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Fay Population Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1730 EDT 08/18/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 10 of 13 |

US Army Corps of Engineers

# Hurricane Fay Population Model

## Landfall Expected In About 15 Hours

**For Planning Purposes Only!**

| State | Population per State | County | Population per County |
|---|---|---|---|
| Florida | | Charlotte | 7,000 |
| | | Lee | 284,000 |
| Florida | 291,000 | | |

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
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**Hurricane Fay Population Model**

**Generated By:**
Siemsen, LRL 1730 EDT 08/18/2008

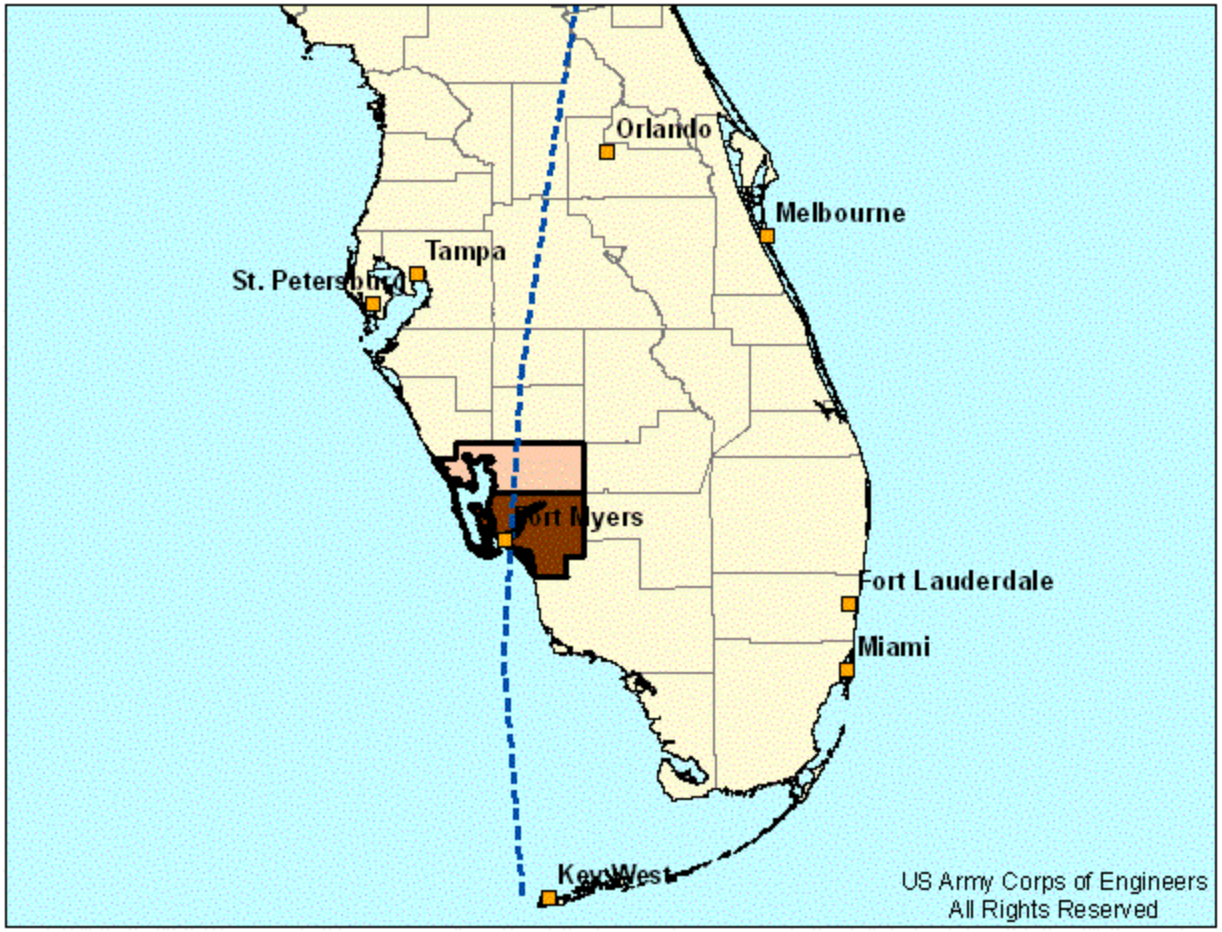
**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Fay Households Model

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**




0 100 200 Miles

## *Post Landfall Households Model Results*

Florida - 130,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Fort Myers, FL.

Forecast Track

**Households**

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall near Fort Myers, FL. These projections are based on information from the NHC (1700 EDT 08/18/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

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| Hurricane Fay Households Model | |
|---|---|
| **Generated By:** Siemsen, LRL 1730 EDT 08/18/2008 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 12 of 13 |

US Army Corps of Engineers

# Hurricane Fay Households Model

## Landfall Expected In About **15** Hours

**For Planning Purposes Only!**

| State | Households per State | County | Households per County |
|---|---|---|---|
| Florida | | Charlotte | 3,000 |
| | | Lee | 127,000 |
| Florida | 130,000 | | |

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
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**Hurricane Fay Households Model**

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LRL-DEBRIS